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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/606,009	06/25/2003	2857	974	1031.16081-CON	8	42	9

CONFIRMATION NO. 5727

Daniel D. Ryan
 RYAN KROMHOLZ & MANION, S.C.
 Suite 1900
 633 West Wisconsin Avenue
 Milwaukee, WI 53203

FILING RECEIPT

OC000000010895534

Date Mailed: 09/22/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

Applicant(s)

Robert N. Blumenthal, Brookfield, WI;
 Andreas T. Melville, Brookfield, WI;

Assignment For Published Patent Application

Furnace Control Corp.;

Domestic Priority data as claimed by applicant

This application is a CON of 09/252,158 02/18/1999 PAT 6,591,215

Foreign Applications

If Required, Foreign Filing License Granted: 09/16/2003

Projected Publication Date: 12/25/2003

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

RECEIVED
 09/21/03
 09/22/03

Systems and methods for controlling the activity of carbon in heat treating atmospheres

Preliminary Class

702

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

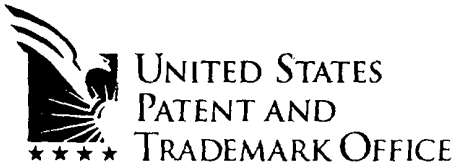
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No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



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NOTICE OF FINAL RULEMAKING

PATENT FEE REVISIONS

The United States Patent and Trademark Office (USPTO) has amended the rules of practice in patent cases to adjust certain patent fee amounts to reflect fluctuations in the Consumer Price Index (CPI).

A notice was published in the *Federal Register* on July 14, 2003, and in the *Official Gazette of the United States Patent and Trademark Office* on August 5, 2003.

Any fee amount paid on or after October 1, 2003, is subject to the new fee schedule.

This notice does not affect trademark fees.

Legislation has been introduced in the Congress that would alter our fees. Customers should be aware that legislative changes to our fees would supersede this fee schedule. If such changes occur, we will make corresponding rule changes by publication in the *Federal Register*. Official notices of any fee changes will appear in the *Federal Register* and the *Official Gazette of the United States Patent and Trademark Office*.

The fee schedule is available on our Web site at www.uspto.gov. The most up-to-date fee amounts and information are also available on our Web site. Any future changes to the fees will be posted to the Web site. If you have any questions related to patents and trademarks, please contact the General Information Services Division at (703) 308-4357 or (800) 786-9199, or by fax at (703) 305-7786.

A handwritten signature in cursive script, reading "Jo-Anne Barnard", is positioned above the printed name.

Jo-Anne Barnard
Chief Financial Officer and
Chief Administrative Officer

Fee Code	37 CFR	Description	Fee
Patent Service Fees			
8001	1.19(a)(1)	Printed copy of patent w/o color, delivery by USPS, USPTO Box, or electronic means	3.00
8003	1.19(a)(2)	Printed copy of plant patent in color	15.00
8004	1.19(a)(3)	Color copy of patent (other than plant patent) or SIR containing a color drawing	25.00
8005	1.19(a)(1)	Patent Application Publication (PAP)	3.00
8007	1.19(b)(1)	Certified copy of patent application as filed	20.00
8008	1.19(b)(2)(i)	Copy of patent-related file wrapper and paper contents of 400 or fewer pages	200.00
8009	1.19(b)(2)(ii)	Additional fee for each additional 100 pages or portion thereof	40.00
8010	1.19(b)(2)(iii)	Additional fee for certification of patent-related file wrapper and paper contents	25.00
8011	1.19(b)(3)(i)	Copy of first compact disk in a single order of file wrapper and paper contents	55.00
8012	1.19(b)(3)(ii)	Each additional compact disk in the single order of § 1.19(b)(3)(i)	15.00
8013	1.19(b)(4)	Certified or uncertified copy of document, unless otherwise provided	25.00
8014	1.19(b)(5)	For assignment records, abstract of title and certification, per patent	25.00
8904	1.19(c)	Library service	50.00
8015	1.19(d)	List of U.S. patents and SIRs in subclass	3.00
8016	1.19(e)	Uncertified statement re status of maintenance fee payments	10.00
8017	1.19(f)	Copy of non-U.S. document	25.00
8018	1.21(c)	Disclosure document filing fee	10.00
8019	1.21(d)	Local delivery box rental, annually	50.00
8020	1.21(e)	International type search report	40.00
8902	1.21(g)	Self-service copy charge, per page	0.25
8021	1.21(h)	Recording each patent assignment, agreement or other paper, per property	40.00
8022	1.21(i)	Publication in <i>Official Gazette</i>	25.00
8023	1.21(j)	Labor charges for services, per hour or fraction thereof	40.00
8024	1.21(k)	Unspecified other services, excluding labor	AT COST
8025	1.21(l)	Retaining abandoned application	130.00
8026	1.21(n)	Handling fee for incomplete or improper application	130.00
8027	1.296	Handling fee for withdrawal of SIR	130.00
Patent Enrollment Fees			
9001	1.21(a)(1)(i)	Application fee (non-refundable)	40.00
9002	1.21(a)(1)(ii)	Registration examination fee	310.00
9003	1.21(a)(2)	Registration to practice	100.00
9004	1.21(a)(3)	Reinstatement to practice	40.00
9005	1.21(a)(4)	Copy of certificate of good standing	10.00
9006	1.21(a)(4)	Certificate of good standing - suitable for framing	20.00
9007	1.21(a)(5)	Review of decision of Director, Office of Enrollment and Discipline	130.00
9008	1.21(a)(6)(i)	Regrading of seven or fewer questions	230.00
9009	1.21(a)(6)(ii)	Regrading of eight or more questions	460.00
GENERAL FEES			
Finance Service Fees			
9201	1.21(b)(1) or 2.6(b)(13)(i)	Establish deposit account	10.00
9202	1.21(b)(2) or 2.6(b)(13)(ii)	Service charge for below minimum balance	25.00
9202	1.21(b)(3)	Service charge for below minimum balance restricted subscription deposit account	25.00
9101	1.21(m) or 2.6(b)(12)	Processing each payment refused or charged back	50.00
Computer Service Fees			
8031/8531		Computer records	AT COST

PAYMENTS FROM FOREIGN COUNTRIES MUST BE PAYABLE AND IMMEDIATELY NEGOTIABLE IN THE UNITED STATES FOR THE FULL AMOUNT OF THE FEE REQUIRED

Fee Code	37 CFR	Description	Fee	Small entity fee (if applicable)
Patent Application Extension Fees				
1251/2251	1.17(a)(1)	Extension for response within first month	110.00	55.00
1252/2252	1.17(a)(2)	Extension for response within second month	420.00	210.00
1253/2253	1.17(a)(3)	Extension for response within third month	950.00	475.00
1254/2254	1.17(a)(4)	Extension for response within fourth month	1,480.00	740.00
1255/2255	1.17(a)(5)	Extension for response within fifth month	2,010.00	1,005.00
Patent Appeals/Interference Fees				
1401/2401	1.17(b)	Notice of appeal	330.00	165.00
1402/2402	1.17(c)	Filing a brief in support of an appeal	330.00	165.00
1403/2403	1.17(d)	Request for oral hearing	290.00	145.00
Patent Petition Fees				
1460	1.17(h)	Petitions to the Commissioner, unless otherwise specified	130.00	
1451	1.17(j)	Petition to institute a public use proceeding	1,510.00	
1452/2452	1.17(l)	Petition to revive unavoidably abandoned application	110.00	55.00
1453/2453	1.17(m)	Petition to revive unintentionally abandoned application	1,330.00	665.00
1454	1.17(t)	Acceptance of an unintentionally delayed claim for priority	1,330.00	
1455	1.18(e)	Filing an application for patent term adjustment	200.00	
1456	1.18(f)	Request for reinstatement of term reduced	400.00	
1457	1.20(j)(1)	Extension of term of patent	1,120.00	
1458	1.20(j)(2)	Initial application for interim extension (see 37 CFR 1.790)	420.00	
1459	1.20(j)(3)	Subsequent application for interim extension (see 37 CFR 1.790)	220.00	
PCT Fees - National Stage				
1609/2609	1.492(a)(1)	IPEA - U.S.	730.00	365.00
1610/2610	1.492(a)(2)	ISA - U.S.	770.00	385.00
1611/2611	1.492(a)(3)	USPTO not ISA or IPEA	1,080.00	540.00
1612/2612	1.492(a)(4)	Claims meet PCT Article 33(1)-(4) - IPEA - U.S.	100.00	50.00
1613/2613	1.492(a)(5)	Filing with EPO or JPO search report	920.00	460.00
1614/2614	1.492(b)	Claims - extra independent (over three)	86.00	43.00
1615/2615	1.492(c)	Claims - extra total (over twenty)	18.00	9.00
1616/2616	1.492(d)	Claims - multiple dependent	290.00	145.00
1617/2617	1.492(e)	Oath or declaration after twenty or thirty months from priority date	130.00	65.00
1618	1.492(f)	English translation after twenty or thirty months from priority date	130.00	
1619		Late payment fee	130.00	
1620		Confirmed precautionary designation - confirmation portion	52.00*	
1621		Transmitting application to Intl. Bureau to act as a receiving office	240.00	
1624		Confirmed precautionary designation - designation portion	104.00*	
PCT Fees - International Stage				
1601	1.445(a)(1)	Transmittal fee	240.00	
1602	1.445(a)(2)	PCT search fee - no U.S. application	700.00	
1603	1.445(a)(2)	PCT search - prior U.S. application	450.00	
1604	1.445(a)(3)	Supplemental search per additional invention	210.00	
1605	1.482(a)(1)	Preliminary examination fee - ISA was the U.S.	490.00	
1606	1.482(a)(1)	Preliminary examination fee - ISA not the U.S.	750.00	
1607	1.482(a)(2)	Additional invention - ISA was the U.S.	140.00	
1608	1.482(a)(2)	Additional invention - ISA not the U.S.	270.00	
PCT Fees to WIPO or EPO				
1702		Basic application fee (first thirty pages)	476.00*	
1703		Basic supplemental fee (for each page over thirty)	12.00*	
1704		International search (EPO)	1,119.00*	
1705		Handling fee	172.00*	
1707		Designation fee per country	104.00*	
1708		International CD cases	4,800.00*	

* WIPO and EPO fees subject to periodic change due to fluctuations in exchange rate. Refer to the *Official Gazette of the United States Patent and Trademark Office* for current amounts.

PAYMENTS FROM FOREIGN COUNTRIES MUST BE PAYABLE AND IMMEDIATELY NEGOTIABLE IN THE UNITED STATES FOR THE FULL AMOUNT OF THE FEE REQUIRED

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Effective October 1, 2003

Any fee amount paid on or after October 1, 2003, must be paid in the revised amount.

The fees subject to reduction for small entities that have established status (37 CFR 1.27) are shown in a separate column.

For additional information, please contact the General Information Services Division at (703) 308-4357 or (800) 786-9199.

Fee Code	37 CFR	Description	Fee	Small Entity Fee (if applicable)
Patent Application Filing Fees				
1001/2001	1.16(a)	Basic filing fee - Utility	770.00	385.00
1201/2201	1.16(b)	Independent claims in excess of three	86.00	43.00
1202/2202	1.16(c)	Claims in excess of twenty	18.00	9.00
1203/2203	1.16(d)	Multiple dependent claim	290.00	145.00
1051/2051	1.16(e)	Surcharge - Late filing fee or oath or declaration	130.00	65.00
1002/2002	1.16(f)	Design filing fee	340.00	170.00
1007/2007	1.16(f)	Design filing fee (CPA)	340.00	170.00
1003/2003	1.16(g)	Plant filing fee	530.00	265.00
1004/2004	1.16(h)	Reissue filing fee	770.00	385.00
1009/2009	1.16(h)	Reissue filing fee (CPA)	770.00	385.00
1204/2204	1.16(i)	Reissue independent claims over original patent	86.00	43.00
1205/2205	1.16(j)	Reissue claims in excess of 20 and over original patent	18.00	9.00
1005/2005	1.16(k)	Provisional application filing fee	160.00	80.00
1052/2052	1.16(l)	Surcharge - Late provisional filing fee or cover sheet	50.00	25.00
1053	1.17(i)	Non-English specification	130.00	
Patent Post-Allowance Fees				
1501/2501	1.18(a)	Utility issue fee	1,330.00	665.00
1502/2502	1.18(b)	Design issue fee	480.00	240.00
1503/2503	1.18(c)	Plant issue fee	640.00	320.00
1504	1.18(d)	Publication fee for early, voluntary, or normal publication	300.00	
1505	1.18(d)	Publication fee for republication	300.00	
Patent Maintenance Fees				
1551/2551	1.20(e)	Due at 3.5 years	910.00	455.00
1552/2552	1.20(f)	Due at 7.5 years	2,090.00	1,045.00
1553/2553	1.20(g)	Due at 11.5 years	3,220.00	1,610.00
	1.20(h)	Surcharge - Late payment within 6 months	130.00	65.00
1557	1.20(i)(1)	Surcharge after expiration - Late payment is unavoidable	700.00	
1558	1.20(i)(2)	Surcharge after expiration - Late payment is unintentional	1,640.00	
Miscellaneous Patent Fees				
1801/2801	1.17(e)	Request for continued examination (RCE) (see 37 CFR 1.114)	770.00	385.00
1808	1.17(i)	Processing fee, except in provisional applications	130.00	
1803	1.17(i)	Request for voluntary publication or republication	130.00	
1802	1.17(k)	Request for expedited examination of a design application	900.00	
1804	1.17(n)	Request for publication of SIR - Prior to examiner's action	920.00*	
1805	1.17(o)	Request for publication of SIR - After examiner's action	1,840.00*	
1806	1.17(p)	Submission of an Information Disclosure Statement	180.00	
1807	1.17(q)	Processing fee for provisional applications	50.00	
1809/2809	1.17(r)	Filing a submission after final rejection (see 37 CFR 1.129(a))	770.00	385.00
1810/2810	1.17(s)	For each additional invention to be examined (see 37 CFR 1.129(b))	770.00	385.00
1811	1.20(a)	Certificate of correction	100.00	
1812	1.20(c)(1)	Request for ex parte reexamination	2,520.00	
1813	1.20(c)(2)	Request for inter partes reexamination	8,800.00	
1814/2814	1.20(d)	Statutory disclaimer	110.00	55.00

* Reduced by basic filing fee paid.

Fee Code	37 CFR	Description	Fee
Trademark Processing Fees			
6001/7001	2.6(a)(1)	Application for registration, per class	335.00
6002/7002	2.6(a)(2)	Filing an Amendment to Allege Use under § 1(c), per class	100.00
6003/7003	2.6(a)(3)	Filing a Statement of Use under § 1(d)(1), per class	100.00
6004/7004	2.6(a)(4)	Filing a Request for a Six-month Extension of Time for Filing a Statement of Use under § 1(d)(1), per class	150.00
6005	2.6(a)(15)	Petition to the Commissioner	100.00
6006	2.6(a)(19)	Dividing an application, per new application (file wrapper) created	100.00
6201/7201	2.6(a)(5)	Application for renewal, per class	400.00
6203/7203	2.6(a)(6)	Additional fee for filing renewal application during grace period, per class	100.00
6204	2.6(a)(21)	Correcting a deficiency in a renewal application	100.00
6205/7205	2.6(a)(12)	Filing § 8 affidavit, per class	100.00
6206/7206	2.6(a)(14)	Additional fee for filing § 8 affidavit during grace period, per class	100.00
6207	2.6(a)(20)	Correcting a deficiency in a § 8 affidavit	100.00
6208/7208	2.6(a)(13)	Filing § 15 affidavit, per class	200.00
6210	2.6(a)(7)	Publication of mark under § 12(c), per class	100.00
6211	2.6(a)(8)	Issuing new certificate of registration	100.00
6212	2.6(a)(9)	Certificate of correction, registrant's error	100.00
6213	2.6(a)(10)	Filing disclaimer to registration	100.00
6214	2.6(a)(11)	Filing amendment to registration	100.00
6401	2.6(a)(16)	Petition for cancellation, per class	300.00
6402	2.6(a)(17)	Notice of opposition, per class	300.00
6403	2.6(a)(18)	Ex parte appeal, per class	100.00

The 7000 series fee code (e.g., 7001, 7002, etc.) is used for electronic filings via e-TEAS, which is available at www.uspto.gov/teas.

Trademark Service Fees

8501	2.6(b)(1)	Printed copy of registered mark, delivery by USPS, USPTO Box, or electronic means	3.00
8503	2.6(b)(4)(i)	Certified copy of registered mark, with title and/or status, regular service	15.00
8504	2.6(b)(4)(ii)	Certified copy of registered mark, with title and/or status, expedited local service	30.00
8507	2.6(b)(2)	Certified copy of trademark application as filed	15.00
8508	2.6(b)(3)	Certified or uncertified copy of trademark-related file wrapper and contents	50.00
8513	2.6(b)(5)	Certified or uncertified copy of trademark document, unless otherwise provided	25.00
8514	2.6(b)(7)	For assignment records, abstracts of title and certification per registration	25.00
8902	2.6(b)(9)	Self-service copy charge, per page	0.25
8521	2.6(b)(6)	Recording trademark assignment, agreement or other paper, first mark per document	40.00
8522	2.6(b)(6)	For second and subsequent marks in the same document	25.00
8523	2.6(b)(10)	Labor charges for services, per hour or fraction thereof	40.00
8524	2.6(b)(11)	Unspecified other services, excluding labor	AT COST

Fastener Quality Act Fees

6991	2.7(a)	Recordal application fee	20.00
6992	2.7(b)	Renewal application fee	20.00
6993	2.7(c)	Late fee for renewal application	20.00

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